

# EOS MONO PERC

380-400W / 72 Cells / 5 Bus Bars  
Monocrystalline Module  
EGE-380-400M-72



Eco Green Energy's modules are only made of grade A solar cells with a very high efficiency and ensured more than 25 years lifespan.

## KEY FEATURES



5 bus bars cells, with efficiency up to 22.8 %



IP67 junction box for long term weather endurance



High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 3800 Pa



High transmissivity, low-iron tempered glass



High performance in low-light environment



Double EL test before and after lamination



**25 YEARS** OUTPUT POWER WARRANTY



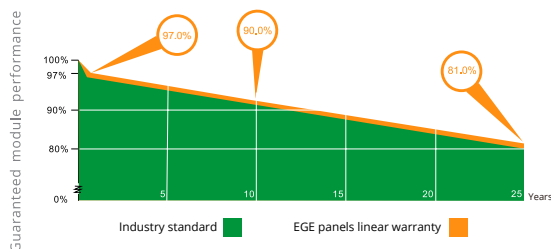
**12 YEARS** PRODUCT WARRANTY

## CERTIFICATES

UL 1703 / CE / ISO 9001:2015 / PV CYCLE

## LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty · 25-Year Linear Power Warranty



## ELECTRICAL DATA AT STC\*

Power output (Pmax)	380 W	385 W	390 W	395 W	400 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W
Module efficiency	19.15 %	19.41 %	19.66 %	19.91 %	20.16 %
Maximum power voltage (Vmp)	39.50 V	39.65 V	39.76 V	39.86 V	39.92 V
Maximum power current (Imp)	9.62 A	9.71 A	9.81 A	9.91 A	10.02 A
Open circuit voltage (Voc)	48.20 V	48.25 V	48.37 V	48.48 V	48.6 V
Short circuit current (Isc)	9.99 A	10.08 A	10.18 A	10.28 A	10.4 A

\*Standard Test Conditions: Irradiance: 1 000 W / m<sup>2</sup> • Cell temperature: 25°C • AM: 1.5

## ELECTRICAL DATA AT NOCT\*

Power output (Pmax)	283.34 W	287.07 W	290.79 W	294.52 W	298.25 W
Maximum power voltage (Vmp)	37.03 V	37.17 V	37.27 V	37.37 V	37.42 V
Maximum power current (Imp)	7.64 A	7.71 A	7.79 A	7.87 A	7.96 A
Open circuit voltage (Voc)	44.70 V	44.74 V	44.86 V	44.96 V	45.07 V
Short circuit current (Isc)	8.12 A	8.19 A	8.28 A	8.36 A	8.45 A

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup> • Ambient temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

## TEMPERATURE CHARACTERISTICS

NOCT	45 °C ±2 °C
Temperature coefficient of Pmax	-0.396%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

## MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	15 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

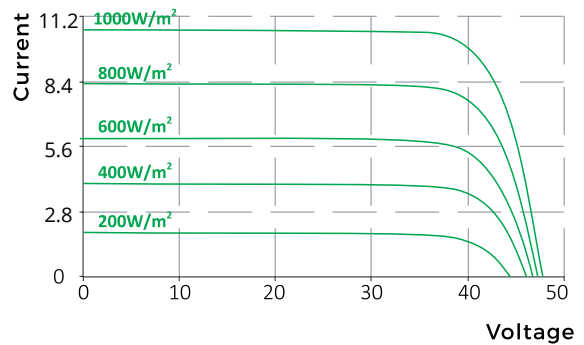
## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (158.75x158.75 mm)
Number of cells	72
Dimensions	1980x1002x40mm
Weight	22.9 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.9 m
Connector	MC4 or MC4 compatible

## PACKAGING

Type	Pcs/ Type	Weight
Per Pallet	26 pcs	640 kg
20ft GP Container	290 pcs	7.2 t
40ft GP Container	620 pcs	15.3 t
40ft HQ Container	678 pcs	16.7 t

## I-V CURVES



## ENGINEERING DRAWINGS (mm)

